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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/364,370	07/30/1999	TOM THUAN CHEUNG	ST9-99-077/P70-42971	9357

23373 7590 09/12/2003

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EXAMINER

HO, THE T

ART UNIT	PAPER NUMBER
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2126

DATE MAILED: 09/12/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Applicati n No.

09/364,370

Applicant(s)

CHEUNG, TOM THUAN

Examin r

The Thanh Ho

Art Unit

2126

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 25 June 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-30 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-30 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

1. In view of the appeal brief filed on 6/25/2003, PROSECUTION IS HEREBY REOPENED. Responsive to Applicant's arguments, new grounds of rejection are set forth below.

To avoid abandonment of the application, appellant must exercise one of the following two options:

(1) file a reply under 37 CFR 1.111 (if this Office action is non-final) or a reply under 37 CFR 1.113 (if this Office action is final); or,

(2) request reinstatement of the appeal.

If reinstatement of the appeal is requested, such request must be accompanied by a supplemental appeal brief, but no new amendments, affidavits (37 CFR 1.130, 1.131 or 1.132) or other evidence are permitted. See 37 CFR 1.193(b)(2).

2. Claims 1-30 have been examined and are pending in the application.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Art Unit: 2126

3. Claims 1-8, 11-18 and 21-28 are rejected under 35 U.S.C. 102(e) as being anticipated by Yokote U.S Patent No. 6,138,140.

As to claim 11, Yokote discloses a computer (client 2-1, Fig. 4); computer programs (application program 21-1, Fig. 4), receiving an input object (object 14-1 is downloaded, lines 14-16 column 5) contains input data (transmitting the data within the meta-object, lines 17-18 column 12) and one input function (functions downloaded from the server 1, lines 28-29 column 10), determining a type of the received input object and ascertaining whether the input object satisfies predefined requirements (lines 7-13 column 11), executing the input function (lines 57-63 column 1).

As to claim 12, Yokote further teaches executing verification functions (lines 14-28 column 5).

As to claim 13, Yokote further teaches code for each verification function is located in a predefined section of a controller object source code (Fig. 11).

As to claim 14, Yokote further teaches producing an output object by using result produced by the executed input function (lines 12-19 column 2).

As to claim 15, Yokote further teaches the received input object is from an application (11-1, Fig. 4), returning the output object to the application (lines 46-52 column 11).

As to claim 16, note the discussion of claim 15 above.

As to claim 17, Yokote further teaches a plurality of input objects (objects of 11-1 to 21-1, Fig. 4), predefined signatures (object description, environment description, Fig. 11).

. Art Unit: 2126

As to claim 18, Yokote further teaches regulating a flow of received input objects (objects necessary first in the execution are downloaded first, lines 43-50 column 6).

As to claim 1, note the discussion of claim 11 above.

As to claims 2-8, note the discussions of claims 12-18 above, respectively.

As to claim 21, note the discussion of claim 11 above.

As to claims 22-28, note the discussions of claims 12-18 above, respectively.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 9, 19 and 29 are rejected under 35 U.S.C. 103(a) as being unpatentable over Yokote in view of Aditham U.S Patent No. 6,378,001.

As to claim 19, Yokote does not explicitly disclose a queue. Aditham teaches storing received objects in a queue (FIFO queue stores message objects, lines 19-20 column 6). It would have been obvious to apply the teachings of Aditham to the system of Yokote because it is necessary to store the objects in an ordered structure while waiting to be processed; therefore, the object which was received first would be executed first as disclosed by Aditham (lines 17-33 column 6).

As to claims 9 and 29, note the discussion of claim 19 above.

5. Claims 10, 20 and 30 are rejected under 35 U.S.C. 103(a) as being unpatentable over Yokote in view of Nakai U.S Patent No. 6,253,248.

As to claim 20, note the discussions of claims 15 and 16 above. However, Yokote does not explicitly disclose a request to resend. Nakai teaches requesting the sender (requests the client 107, line 40 column 13) to re-send (to resend the request, line 41 column 13) at a later time (1213, Fig. 14). It would have been obvious to apply the teachings of Nakai to the system of Dean because if there is a failure in the transaction, the client has to resend the request to the server as disclosed by Nakai (lines 30-44 column 13).

As to claims 10 and 30, note the discussion of claim 20 above.

Response to Arguments

6. Applicant's arguments filed have been fully considered but are moot in view of the new ground(s) rejection.

Applicant's arguments presented issues which required the Examiner to further view the previous rejection. The Examiner conducted a further search regarding the issues mentioned in Applicant's response. Therefore, all arguments regarding the cited references of the previous rejection are moot in view of the new grounds of rejection.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to The Thanh Ho whose telephone number is 703-306-

Art Unit: 2126

5540. A voice mail service is also available for this number. The examiner can normally be reached on Monday – Friday, 8:30 am – 5:00 pm.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-3900.

Any response to this action should be mailed to:

Commissioner for Patents


P.O Box 1450

Alexandria, VA 22313-1450

Or fax to:

- AFTER-FINAL faxes must be signed and sent to (703) 746 – 7238
- OFFICAL faxes must be signed and sent to (703) 746 – 7239
- NON OFFICAL faxes should not be signed, please send to (703) 746 – 7240

TTH
September 5, 2003



JOHN FOLLANSBEE
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